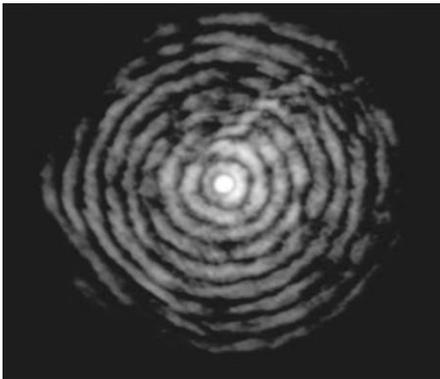
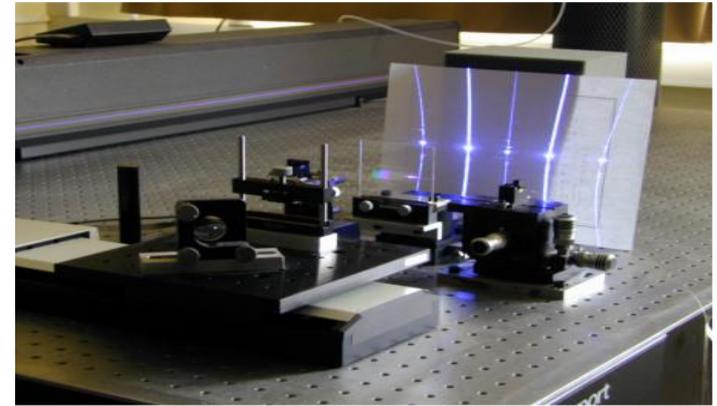


Fiber gratings

- Fabrication of fiber Bragg gratings (FBG) and long period gratings (LPG)
- UV inscription of FBG using a phase mask technique
- Writing of LPG using a point-by-point slit beam shaped technique: narrow LPG with sub-nanometric linewidth
- Mode engineering combining FBG & LPG

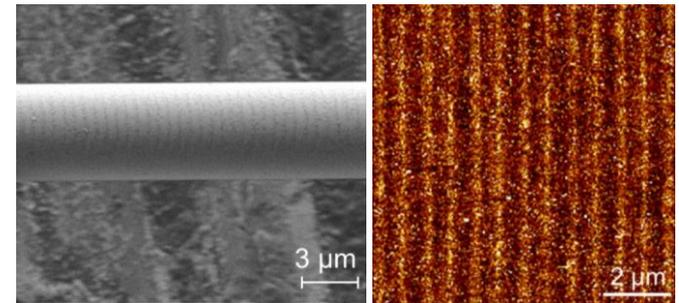


Laser emission of mode LP_{11}



UV photo-inscription of gratings

- Bio-Bragg gratings (BBG)



Bio-Bragg gratings stamped on microfibers

Bio-Bragg gratings generated by UV-laser photo-deactivation of protein bio-layers